the hollow body, the two walls being made to mesh with one another inside the surface between the edges of the hollow body by material deformation.

2. (Amended) The method of claim 1, wherein the material deformation is performed in punctate fashion, with a diameter of from 3 to 6 mm.

3. (Amended) The method of claim 1, wherein at least one wall is provided with circular indentations, and connections are made in a region of the indentations with spacing on all sides from an edge thereof.

4. (Amended) The method of claim 1, wherein the two walls are preshaped prior to being joined.

5. (Amended) The method of claim 1, wherein the hollow body is exposed to an internal pressure that is elevated compared to an external pressure.

6. (Amended) The method of claim 1, wherein denticulation of the two walls is stabilized by pressing on a ring around the material deformation and inserting a disk in the material deformation.

7. (Amended) A heat exchanger with two joined together walls and between them a flow-through chamber for a heat transfer medium, in which the walls are joined together at

a plurality of connecting points inside a surface between edges of the heat exchanger wherein the walls are made to mesh with one another at the connecting points inside the surface between the edges of the heat exchanger and are fastened to one another by means of denticulations.

8. (Amended) The heat exchanger of claim 7, wherein denticulations of the walls are embodied annularly.

9. (Amended) The heat exchanger of claim 8, comprising a ring encompassing a toothed place.

10. (Amended) The heat exchanger of claim 7, wherein the denticulations are produced by an upsetting-pressing process and without penetration of sheet metal used to form the walls.

11. (Amended) The heat exchanger of claim 7, wherein at least one wall comprises sheet copper with a thickness of from 0.3 to 0.8 mm.

12. (Amended) The heat exchanger of claim 7, wherein the denticulations are disposed with a mutual spacing of from 10 to 50 mm.

13. (Amended) The heat exchanger of claim 7, wherein the denticulations are disposed in at least one of rows and in a grid pattern.

14. (Amended) The heat exchanger of claim 7, wherein the denticulations are disposed inside an approximately circular indentation of the walls.

15. (Amended) A compression-molding sheet-metal joining method for mutual punctate fastening of two parallel walls that enclose a flow-through chamber of a heat exchanger.

16. (Amended) A construction kit for a heat exchanger system, comprising:

a plurality of heat exchangers; and

connecting elements for the connections of the heat exchangers, each heat exchanger having a flow-through chamber for a heat transfer medium, in which two walls are disposed facing one another and are joined to make a hollow body through which a medium can flow, and the walls are fastened to one another at a plurality of connecting points inside a surface between edges of the hollow body, the two walls being made to mesh with one another inside the surface between the edges of the hollow body by material deformation.

17. (Amended) The construction kit of claim 16, wherein the connecting elements are plug connectors.

18. (Amended) The construction kit of claim 16, having a pump.

19. (Amended) The construction kit of claim 16, having a hot-water tank.

20. (Amended) A method for producing a heat exchanger having a flow-through chamber for a heat transfer medium, in which two sheet metal walls, are disposed facing one another and are joined together to make a hollow body capable of experiencing a flow through it, and the walls are fastened to one another at a plurality of connecting points inside a surface between the edges of the hollow body wherein in at least one of the walls at the connecting points inside the surface between edges of the hollow body, circular indentations that provide reinforcement by deformation of material are shaped out, and the two walls are joined together inside these indentations by means of at least one of a material engagement and a positive engagement.

Please add the new claims as follows:

22. (NEW) The method of claim 1, wherein the two walls are made of sheet copper.

23. (NEW) The heat exchanger of claim 11, wherein the thickness is from 0.5 to 0.65 mm.